

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A font processor, comprising:

a data acquiring device that acquires font data of bitmap fonts;

a ~~subpixel-font~~subcharacter pixel-font generating device that separately analyzes ~~an area~~each character pixel of the font data as a target character pixel to identify whether ~~the area includes a~~ character pixel located is located diagonal to ~~a target~~the target character pixel, the ~~subpixel~~subcharacter pixel-font generating device:

solely when ~~the area includes a~~ character pixel located is located diagonal to the target character pixel, shifting the target character pixel by at least one ~~subpixel~~ subcharacter pixel to generate a shifted target character pixel and then expanding the shifted target character pixel into ~~subpixel-subcharacter~~ fonts; and

when ~~the area includes no~~ character pixel is located diagonal to the target character pixel, avoiding a shift in the target character pixel before expanding the target character pixel into ~~subpixel-subcharacter pixel~~ fonts; and

repeating the analysis individually for each character pixel of the font data acquired by the data acquiring device; and

a gradation controlling device that controls gradation levels of the ~~subpixels~~ subcharacter pixels constituting the ~~subpixel-subcharacter pixel~~ fonts.
2. (Original) The font processor according to Claim 1, wherein, when pixels constituting the font data are adjacently arranged in a diagonal line, the subpixel-font generating device horizontally shifts the subpixels constituting the pixels by a predetermined number of subpixels.

3. (Original) The font processor according to Claim 2, the subpixel-font generating device shifting the subpixels constituting the pixels left when the pixels constituting the font data are adjacently arranged in a left diagonal line, while the subpixel-font generating device shifts the subpixels constituting the pixels right when the pixels constituting the font data are adjacently arranged in a right diagonal line.

4. (Original) The font processor according to Claim 1, the subpixel-font generating device placing the subpixels constituting the pixels at positions of the corresponding pixels when the pixels constituting the font data are arranged in a horizontal line or in a vertical line.

5. (Original) The font processor according to Claim 1, the subpixel-font generating device performing the pattern matching using a matching pattern of 3×3 pixels.

6. (Original) The font processor according to Claim 1, the gradation controlling device further comprising:

an edge detecting device that detects edges included in the subpixel fonts; and
a gradation setting device that sets gradation level of the pixels constituting the edges to an intermediate gradation level.

7. (Original) The font processor according to Claim 6,
the edge detecting device detecting portions where pixels constituting a character are horizontally adjacent to pixels constituting a background as the edges, and
the gradation setting device increasing the gradation level of the pixels constituting the character by a predetermined percentage and decreasing the gradation level of the pixels constituting the background by the predetermined percentage.

8. (Original) A terminal device, comprising:

the font processor according to Claim 1;

a storage device that stores font data generated by the font processor; and

a display unit that displays the font data generated by the font processor.

9. (Currently Amended) A font processing method, comprising:

acquiring font data of bitmap fonts;

separately analyzing an area each character pixel of the font data by pattern matching to generate subpixel-subcharacter pixel fonts that have data in subpixel-subcharacter pixels, the pattern matching identifying whether ~~the area includes a~~ character pixel is located diagonal to a target character pixel; and

solely when ~~the area includes a~~ character pixel is located diagonal to the target character pixel, shifting the target character pixel by at least one subpixel-subcharacter pixel to generate a shifted target character pixel and then expanding the shifted target character pixel into subpixel-subcharacter pixel fonts; and

when ~~the area includes no~~ character pixel is located diagonal to the target character pixel, avoiding a shift in the target character pixel before expanding the target character pixel into subpixel-subcharacter pixel fonts; and

controlling the gradation levels of the subpixels-subcharacter pixels constituting the subpixel-subcharacter pixel fonts.

10. (Currently Amended) A font processing program executed in a terminal device having a computer, the program causing the computer to function as:

a data acquiring device that acquires font data of bitmap fonts;

a subpixelsubcharacter pixel-font generating device that separately analyzes an areaeach character pixel of the font data by pattern matching to generate subpixel subcharacter pixel fonts that have data in subpixel-subcharacter pixels, the pattern matching identifying whether ~~the area includes a~~ subcharacter pixel is located diagonal to a target subcharacter pixel, the subpixelsubcharacter pixel-font generating device:

solely when ~~the area includes a~~ character pixel ~~is~~ located diagonal to the target character pixel, shifting the target character pixel by at least one subcharacter pixel subpixel to generate a shifted target character pixel and then expanding the shifted target character pixel into subcharacter pixel subpixel-fonts; and

when the area includes no character pixel located diagonal to the target character pixel, avoiding a shift in the target character pixel before expanding the target character pixel into subcharacter pixel subpixel-fonts; and

a gradation controlling device that controls gradation levels of the subcharacter pixels subpixels constituting the subcharacter pixel subpixel-fonts.

11. (Currently Amended) A font processor, comprising:

a data acquiring device that acquires font data of bitmap fonts; and

a subpixel subcharacter pixel-font generating device that separately analyzes character pixel configuration of the font data using pattern matching to generate subcharacter pixel subpixel-fonts, the subcharacter pixel subpixel-fonts being data in units of subcharacter pixel subpixels, the subpixel subcharacter pixel-font generating device:

when a character pixel constituting the font data is located at a position that, with respect to a first direction, is diagonal to a target character pixel, shifts the subcharacter pixels subpixels of the target character pixel in the first direction by at least one subcharacter pixel subpixel-distance; and

when a character pixel constituting the font data is located at a position that, with respect to a second direction opposite to the first direction, is diagonal to the target character pixel, shifts the subcharacter pixels subpixels of the target character pixel in the second direction by at least one subcharacter pixel subpixel-distance.

12. (Currently Amended) A font processor, comprising:

a data acquiring device that acquires font data of bitmap fonts; and

a ~~subpixel~~ subcharacter pixel-font generating device that separately analyzes character pixel configuration of the font data using pattern matching to generate subcharacter pixel ~~subpixel~~-fonts, the subpixel fonts being data in units of subcharacter pixel~~subpixels~~, the ~~subpixel~~ subcharacter pixel-font generating device:

when a character pixel constituting the font data is located at a first position that, with respect to a first direction in which subcharacter pixels ~~subpixels~~ are to be aligned, is adjacent to a target character pixel, disposes subpixels at the position of the target character pixel without shifting the target character pixel;

when no character pixel constituting the font data is located at the first position and also a character pixel constituting the font data is located at a second position that, with respect to a second direction orthogonal to the first direction, is adjacent to the target character pixel, disposes subcharacter pixels ~~subpixels~~ at the position of the target character pixel without shifting the target character pixel; and

when no character pixel constituting the font data is located at the second position and also a character pixel is located at a third position that is adjacent and diagonal to the target character pixel, shifts the target character pixel by at least one subcharacter pixel ~~subpixel~~-distance and then disposes subpixels at the position of the target character pixel, wherein:

when the third position where the character pixel is located is to one side of the target character pixel, the target character pixel is shifted in one direction, and

when the third position where the character pixel is located is to another side of the target character pixel that is opposite to the one side, the target character pixel is shifted in a direction opposite to the one direction.